

03-08-02

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## PATENT APPLICATION

Assistant Commissioner for Patents  
Box **Patent Application**  
Washington, D. C. 20231

Sir:

Enclosed herewith for filing is the following **utility patent application**:

Applicants: **Padmapani C. Nallan, Guangxiang Jin, Ajay Kumar**

Title of application: **METHOD OF PLASMA ETCHING OF HIGH-K DIELECTRIC MATERIALS WITH HIGH SELECTIVITY TO UNDERLYING LAYERS**

Pages of specification: 14 (including 4 pages of claims and 1 page of abstract)

Sheets of drawing: 4

Executed on: 3-6-02 Docket No.: 7017/ETCH/CORE

## PATENT APPLICATION FILING FEE CALCULATION

	No. Filed	Less	Rate/Claim	Fee
Total Claims	34	-20	14 x \$18.00	<u>\$252.00</u>
Independent Claims	4	-3	1 x \$84.00	<u>\$ 84.00</u>
Minimum Filing Fee				\$740.00
Multiple Dependency Fee (if applicable - \$270.00)				\$ _____
50% Reduction for Small Entity (Independent Inventor, Non-profit Corporation, or Small Business Concern) - appropriate verified statement attached				- \$ _____

**TOTAL FILING FEE** **\$1076.00**

Kindly charge the entire and/or any additional filing fee, as appropriate, to deposit account number 50-1074. To facilitate that charge, a duplicate copy of this letter is enclosed herewith.

1c971 U.S. PTO  
10/092795  
03/06/02

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JC984 U.S. PTO

10092795-030602

Please direct all correspondence to:

Patent Counsel  
Applied Materials, Inc.  
3050 Bowers Avenue  
P.O. Box 450A  
Santa Clara, CA 95052

Also enclosed herewith for filing in connection with the enclosed application are:

- ☐ Oath;  
☒ Declaration and Power of Attorney;  
☐ Disclosure Statement;  
☐ Letter referencing previously filed disclosure document; number \_\_\_\_\_ filed \_\_\_\_\_;  
☐ Verified Statement claiming small entity status;  
☒ An assignment of the application to Applied Materials, Inc.;  
☐ Claim(s) to priority:

Serial Number

Filing date

- ☐ A certified copy of a \_\_\_\_\_ patent application or inventor's certificate, filed \_\_\_\_\_ and serial no. \_\_\_\_\_, upon which a claim to priority is made;  
☐ Other: \_\_\_\_\_

Respectfully submitted,

3/6/02

Robert W. Mulcahy, Attorney  
Reg. No. 25,436

\*\*\*EXPRESS MAIL CERTIFICATION\*\*\*

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Date of deposit: 3-6-02

I hereby certify that this patent application and related papers is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Box Patent Application, Washington, D.C. 20231.

Beth Mulcahy  
Signature of person mailing paper or fee

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Name of person mailing paper or fee